

**Mosquito Taxonomic Inventory ([www.mosquito-taxonomic-inventory.info/](http://www.mosquito-taxonomic-inventory.info/))**  
Updated 8 December 2014 – Ralph Harbach

(Note: Cited references are listed at the end of the classification.)

**Subgenus *Acalleoymia* Leicester**

*obscurus* (Leicester)

**Subgenus *Acallyntrum* Stone & Penn**

Bicki Group (Belkin, 1962)

*bicki* Stone & Penn

*binigrolineatus* Knight & Rozeboom

*miyagii* Mogi & Toma

Perkinsi Group (Belkin, 1962)

*axillicola* Steffan

*belkini* Stone & Penn

*bougainvillensis* Steffan

*pallidiceps* (Theobald)

*perkinsi* Stone & Penn

**Subgenus *Aedinus* Lutz**

*accelerans* Root

*amazonensis* (Lutz)

*clastrieri* Casal & Garcia

*guyanensis* Clastrier

**Subgenus *Afroculex* Danilov**

*lineatus* (Theobald)

**Subgenus *Allimanta* Casal & García**

*tramazayguesi* Duret

**Subgenus *Anoediopora* Dyar**

Conservator Group (Berlin & Belkin, 1980)

*bamborum* Rozeboom & Komp

*belemensis* Duret & Damasceno

*browni* Komp  
*canaanensis* Lane & Whitman  
*chaguanco* Casal, García & Fernández  
*conservator* Dyar & Knab  
*corrigani* Dyar & Knab  
*damascenoi* Duret  
*luteopleurus* (Theobald)  
*originator* Gordon & Evans  
*quasioriginator* Duret  
Restrictor Group (Berlin & Belkin, 1980)  
*restrictor* Dyar & Knab

### **Subgenus *Barraudius* Edwards**

*inatomii* Kamimura & Wada  
*modestus* Ficalbi  
*pusillus* Macquart  
*richeti* Brunhes & Venhard

### **Subgenus *Belkinomyia* Adames & Galindo**

*eldridgei* Adames & Galindo

### **Subgenus *Carrollia* Lutz**

Bihaicola Group (Valencia, 1973)  
*bihaicola* Dyar & Núñez Tovar  
*guerreroi* Cova García, Sutil & Pulido  
*infoliatum* Bonne-Wepster & Bonne  
*metempsychus* Dyar  
*rausseoi* Cova Garcia, Sutil Oramas & Pulido F.  
Iridescent Group (Valencia, 1973)  
Urichii Subgroup (Valencia, 1973)  
*anduzei* Cerqueira & Lane  
*urichii* (Coquillett)  
Iridescent Subgroup (Valencia, 1973)  
*antunesi* Lane & Whitman  
*babahoyensis* Levi Castillo  
*bonnei* Dyar  
*cerqueirai* Valencia  
*insigniforceps* Clastrier & Claustre  
*iridescent* (Lutz)  
*kompi* Valencia

*secundus* Bonne-Wepster & Bonne  
*soperi* Antunes & Lane  
*wannonii* Cova Garcia & Sutil O.  
*wilsoni* Lane & Whitman

**Subgenus *Culex* Linnaeus**

Atriceps Group (Belkin, 1962)

*atrics* Edwards  
*kesseli* Belkin  
*marquesensis* Stone & Rosen

Coronator Group (Forattini, 1965a, as *coronator* complex)

*camposi* Dyar  
*coronator* Dyar & Knab  
*covagarciai* Forattini  
*ousqua* Dyar  
*usquatissimus* Dyar  
*usquatus* Dyar  
*yojoae* Strickman

Duttoni Group (Harbach, 1988)

*duttoni* Theobald

Guiarti Group (Edwards, 1941)

*grahamii* Theobald  
subspecies *farakoensis* Hamon  
subspecies *grahamii* Theobald  
*guiarti* Blanchard  
subspecies *guiarti* Blanchard  
subspecies *sudanicus* Edwards  
*ingrami* Edwards  
*pajoti* Ramos & Ribeiro  
*schwetzi* Edwards  
*verutus* Harbach  
*weschei* Edwards  
subspecies *gediensis* Edwards  
subspecies *weschei* Edwards

Pipiens Group (Edwards, 1932a, in part)

*abnormalis* Lane  
*andersoni* Edwards  
subspecies *andersoni* Edwards  
subspecies *bwambanus* Edwards  
subspecies *abyssinicus* Edwards  
*argenteopunctatus* (Ventrillon)  
subspecies *argenteopunctatus* (Ventrillon)  
subspecies *kingii* (Theobald)  
*astridianus* de Meillon  
*bickleyi* Forattini

*bukavuensis* Wolfs  
*calurus* Edwards  
*carleti* Brunhes & Ravaonjanahary  
*chorleyi* Edwards  
*comorensis* Brunhes  
    subspecies *comorensis* Brunhes  
    subspecies *kartalae* Brunhes  
*demeilloni* Doucet  
*guayasi* Leví-Castillo  
*hancocki* Edwards  
*hopkinsi* Edwards  
*huangae* Meng  
*levicastilloi* Lane  
*mirificus* Edwards  
*musarum* Edwards  
*nakuruensis* Mattingly  
*nilgiricus* Edwards  
*ninagongoensis* Edwards  
*ornatothoracis* Theobald  
*perfidiosus* Edwards  
*perfuscus* Edwards  
*philipi* Edwards  
*prosecutor* Séguy  
*pruina* Theobald  
    subspecies *eschirasi* Galliard  
    subspecies *pruina* Theobald  
*pseudopruina* van Someren  
*quasiguiarti* Theobald  
*riojanus* Duret  
*scottii* Theobald  
*seldeslachtsi* Wolfs  
*shoae* Hamon & Ovazza  
    subspecies *shoae* Hamon & Ovazza  
    subspecies *ugandae* van Someren  
*striatipes* Edwards  
    subspecies *joanae* Muspratt  
    subspecies *striatipes* Edwards  
*telesilla* de Meillon & Lavoipierre  
*terzii* Edwards  
*toroensis* Edwards & Gibbins  
    subspecies *microphyllus* Edwards & Gibbins  
    subspecies *toroensis* Edwards & Gibbins  
*trifoliatius* Edwards  
*umbripes* Edwards  
*vansomereni* Edwards  
    subspecies *draconis* Ingram & de Meillon

subspecies *elgonicus* Edwards  
subspecies *vansomereni* Edwards  
*ventrilloni* Edwards  
*watti* Edwards  
*zombaensis* Theobald  
Restuans Complex (Bram, 1967b, as *restuans-laticlasper-acharistus* complex)  
*acharistus* Root  
*brethesi* Dyar  
*laticlasper* Galindo & Blanton  
*restuans* Theobald  
Salinarius Complex (Bram, 1967b)  
*alani* Forattini  
*archegus* Dyar  
*dolosus* (Lynch Arribáizaga)  
*bilineatus* Theobald, 1903  
*salinarius* Coquillett  
*spinosus* Lutz  
Apicinus Subgroup (Edwards, 1932a, as *salinarius-apicinus* series)  
*ameliae* Casal  
*apicinus* Philippi  
*aquarius* Strickman  
*articularis* Philippi  
*bonneae* Dyar & Knab  
*brami* Forattini, Rabello & Lopes  
*carcinoxenus* de Oliveira Castro  
*chidesteri* Dyar  
*curvibrachius* Angulo  
*diplophyllum* Dyar  
*dohenyi* Hogue  
*delys* Howard, Dyar & Knab  
*eduardoi* Casal & García  
*erythrothorax* Dyar  
*foliaceus* Lane  
*inflictus* Theobald  
*lahillei* Bachmann & Casal  
*mollis* Dyar & Knab  
*nigripalpus* Theobald  
*plicatus* Olivares  
*scimitar* Branch & Seabrook  
*sphinx* Howard, Dyar & Knab  
*tatoi* Casal & García  
Decens Subgroup (Harbach, 1988)  
*antennatus* (Becker)  
*decens* Theobald  
*invidiosus* Theobald  
subspecies *invidiosus* Theobald

subspecies *vicinalis* de Meillon & Lavoipierre  
    subspecies *vexillatus* Edwards  
    *litwakae* Harbach  
Pipiens Subgroup (Sirivanakarn, 1976)  
    *australicus* Dobrotworsky & Drummond  
    *globocoxitus* Dobrotworsky  
    *pipiens* Linnaeus  
        subspecies *pallens* Coquillett  
        subspecies *pipiens* Linnaeus  
    *quinquefasciatus* Say  
Simpsoni Subgroup (Harbach, 1988)  
    *simpsoni* Theobald  
    *sinaiticus* Kirkpatrick  
Tarsalis Subgroup (Edwards, 1932a, as *tarsalis* series)  
    *bahamensis* Dyar & Knab  
    *bidens* Dyar  
    *brevispinosus* Bonne-Wepster & Bonne  
    *chitae* Duret  
    *cuyanus* Duret  
    *declarator* Dyar & Knab  
    *duplicator* Dyar & Knab  
    *garciai* Broche  
    *habilitator* Dyar & Knab  
    *interfor* Dyar  
    *interrogator* Dyar & Knab  
    *janitor* Theobald  
    *lygrus* Root  
    *maracayensis* Evans  
    *maxi* Dyar  
    *paramaxi* Duret  
    *pinarocampa* Dyar & Knab  
    *pseudostigmatosoma* Strickman  
    *saltanensis* Dyar  
    *secutor* Theobald  
    *stenolepis* Dyar & Knab  
    *stigmatosoma* Dyar  
    *surinamensis* Dyar  
    *tarsalis* Coquillett  
    *thriambus* Dyar  
Theileri Subgroup (Sirivanakarn, 1976)  
    *laticinctus* Edwards  
    *mattinglyi* Knight  
    *tenagius* van Someren  
    *theileri* Theobald  
Trifilatus Subgroup (Mattingly & Rageau, 1958)  
    *asteliae* Belkin

*banksensis* Maffi & Tenorio  
*guizhouensis* Chen & Zhao  
*hutchinsoni* Barraud  
*iyengari* Mattingly & Rageau  
*miraculosus* Bonne-Wepster  
*pacificus* Edwards  
*pervigilans* von Bergroth  
*rotoruae* Belkin  
*tamsi* Edwards  
*torrentium* Martini  
*trifilatus* Edwards  
    subspecies *aenescens* Edwards  
    subspecies *trifilatus* Edwards  
*vagans* Wiedemann

Univittatus Subgroup (Sirivanakarn, 1976)  
*fuscocephala* Theobald  
*neavei* Theobald  
*perexiguus* Theobald  
*univittatus* Theobald

Sitiens Group (Edwards, 1932a, in part)  
*bihamatus* Edwards  
*castelli* Hamon  
*crinicauda* Edwards  
*omani* Belkin  
*roseni* Belkin  
*thalassius* Theobald  
*sechani* Brunhes & Boussès  
*toviiensis* Klein, Rivière & Séchan  
*vicinus* (Taylor)  
*whittingtoni* Belkin

Barraudi Subgroup (Sirivanakarn, 1976)  
*barraudi* Edwards  
*edwardsi* Barraud

Gelidus Subgroup (Sirivanakarn, 1976)  
*gelidus* Theobald

Mimeticus Subgroup (Mimeticus Series of Edwards, 1932a)  
*diengensis* Brug  
*fasyi* Baisas  
*jacksoni* Edwards  
*mimeticus* Noè  
*mimuloides* Barraud  
*mimulus* Edwards  
*murrelli* Lien  
*orientalis* Edwards  
*propinquus* Colless  
*solitarius* Bonne-Wepster

*tianpingensis* Chen

*tsengi* Lien

Sitiens Subgroup (Bram, 1967a; Sitiens Series of Edwards, 1932a, in part)

*alis* Theobald

*annulirostris* Skuse

subspecies *annulirostris* Skuse

subspecies *marianae* Bohart & Ingram

*litoralis* Bohart

*palpalis* Taylor

*sitiens* Wiedemann

*whitmorei* (Giles)

Vishnui Subgroup (Bram, 1967a)

*alienus* Colless

*annulus* Theobald

*incognitus* Baisas

*perplexus* Leicester

*philippinensis* Sirivanakarn

*pseudovishnui* Colless

*tritaeniorhynchus* Giles

*vishnui* Theobald

*whitei* Barraud

Uncertain placement

*annuliventris* (Blanchard)

*beta* Séguy

*brumpti* Gailiard

*fernandezi* Casal, García & Cavalieri

*gameti* Bailly-Choumara

*mauesensis* Lane

*pseudojanthinosoma* Senevet & Abonnenc

*quitensis* Levi-Castillo

*scheuberi* Carpintero & Leguizamón

### **Subgenus *Culiciomyia* Theobald**

Dispectus Group (Bram, 1969)

*cheni* Kong, Wang & Lu

*dispectus* Bram

*hainanensis* Chen

Fragilis Group (Edwards, 1932a) (Oriental and Australasian species)

*bahri* (Edwards)

*barrinus* Bram

*ceramensis* Sirivanakarn & Kurihara

*fragilis* Ludlow

*fuscicinctus* King & Hoogstraal

*lampangensis* Sirivanakarn



*maplei* Knight & Hurlbut  
*nailoni* King & Hoogstraal  
*nigropunctatus* Edwards  
*pallidothorax* Theobald  
*papuensis* (Taylor)  
*pullus* Theobald  
*ramakrishnii* Wattal & Kalra  
*ramalingami* Sirivanakarn  
*ryukyensis* Bohart  
*scanloni* Bram  
*spathifurca* (Edwards)  
*spiculothorax* Bram  
*termi* Thurman  
*thurmanorum* Bram  
*viridiventer* Giles  
*yaoi* Tung

Nebulosus Group (Edwards, 1932a) (Afrotropical species)

*cambournaci* Hamon & Candara  
*cinereus* Edwards  
*cinereus* Theobald  
*eouzani* Geoffroy  
*furlongi* van Someren  
*gilliesi* Hamon & van Someren  
*grenieri* Eouzan  
*harleyi* Peters  
*liberiensis* Peters  
*macfieii* Edwards  
*milloti* Doucet  
*mongiro* van Someren  
*muspratti* Hamon & Lambrecht  
*nebulosus* Theobald  
    subspecies *pseudocinereus* Theobald  
*pandani* Brunhes  
*ruthae* Peters  
*semibrunneus* Edwards  
*subaequalis* Edwards

Shebbearei Group (unnamed “group or complex” of Sirivanakarn, 1977c)

*bailyi* Barraud  
*harrisoni* Sirivanakarn  
*javanensis* Bonne-Wepster  
*kyotoensis* Yamaguti & LaCasse  
*megaonychus* Yang, Li & Chen  
*rajah* Tsukamoto  
*sasai* Kano, Nitahara & Awaya  
*shebbearei* Barraud  
*spiculostylus* Chen

Tricuspis Group (Harrison, 1987)  
*azurini* Toma, Miyagi & Cabrera  
*delfinadoae* Sirivanakarn  
*tricuspis* Edwards

### **Subgenus *Eumelanomyia* Theobald**

Eumelanomyia Group (Sirivanakarn, 1971a)  
*acrostichalis* Edwards  
*adersianus* Edwards  
*albiventris* Edwards  
*garioui* Bailly-Choumara & Rickenbach  
*kanyamwerima* van Someren  
*kilara* van Someren  
*tauffliebi* Geoffroy & Hervé  
*vinckei* Hamon, Holstein & Rivola

Mochthogenes Group (Sirivanakarn, 1971a)  
*mohani* Sirivanakarn

Bokorensis Subgroup (Sirivanakarn, 1972)  
*bokorensis* Klein & Sirivanakarn

Femineus Subgroup (Sirivanakarn, 1971a)  
*femineus* Edwards

Foliatus Subgroup (Sirivanakarn, 1972)  
*foliatus* Brug  
*latifoliatus* Delfinado

Hinglungensis Subgroup (Sirivanakarn, 1971a)  
*baisasi* Sirivanakarn  
*castrensis* Edwards  
*cataractarum* Edwards  
*hinglungensis* Chu  
*manusensis* Sirivanakarn

Inconspicuosus Subgroup (Sirivanakarn, 1971a)  
*castor* de Meillon & Lavoipierre  
*fimbriforceps* Edwards  
*germaini* Geoffroy  
*hamoni* Brunhes, Adam & Bailly-Choumara  
*helenae* Brunhes, Adam & Bailly-Choumara  
*inconspicuosus* (Theobald)  
*micolo* Ribeiro, da Cunha Ramos, Capela & Pires, 1998  
*mijanae* Brunhes, Adam & Bailly-Choumara  
*orstom* Brunhes, Adam & Bailly-Choumara  
*quintetti* Brunhes, Adam & Bailly-Choumara  
*simpliciforceps* Edwards

Iphis Subgroup (Sirivanakarn, 1972)  
*iphis* Barraud

Khazani Subgroup (Sirivanakarn, 1972)  
*khazani* Edwards

Malayi Subgroup (Sirivanakarn, 1971a)  
*laureli* Baisas  
*malayi* (Leicester)  
*yeageri* Baisas

Okinawae Subgroup (Sirivanakarn, 1972)  
*miaolingensis* Chen  
*okinawae* Bohart

Otachati Subgroup (Sirivanakarn, 1971a)  
*otachati* Klein & Sirivanakarn  
*richardgarciai* Jeffery, Oothuman & Rudnick

Pluvialis Subgroup (Sirivanakarn, 1972)  
*campilunati* Carter & Wijesundara  
*pluvialis* Barraud  
*selai* Klein & Sirivanakarn

Tenuipalpis Subgroup (Sirivanakarn, 1972)  
*hackeri* Edwards  
*hayashii* Yamada  
    subspecies *ryukyuanus* Tanaka, Mizusawa & Saugstad  
*kiriensis* Klein & Sirivanakarn  
*macrostylus* Sirivanakarn & Ramalingam  
*megafolius* Chen & Dong  
*oresbius* Harbach & Rattanarithikul  
*richei* Klein  
*tenuipalpis* Barraud

Uncinatus Subgroup (Sirivanakarn, 1971a)  
*uncinatus* Delfinado

Protomelanoconion Group (Sirivanakarn, 1971a)  
*brevipalpis* (Giles)  
*horridus* Edwards  
    subspecies *rageaui* (Hamon & Rickenbach)  
*phangngae* Sirivanakarn  
*stellatus* van Someren

Rubinotus-rima Group (Sirivanakarn, 1971a)  
*brenquesi* Brunhes & Ravaonjanahary  
*jefferyi* Sirivanakarn

Rima Subgroup (Sirivanakarn, 1971a)  
*adami* (Hamon & Mouchet)  
*albertianus* Edwards  
*amaniensis* van Someren & Hamon  
*calabarensis* Edwards  
*chauveti* Brunhes & Rambelo  
*galliardii* Edwards  
*insignis* (Carter)  
*laplantei* Hamon, Adam & Mouchet

*mundulus* Grünberg  
*rima* Theobald  
*subrima* Edwards  
*sunyaniensis* Edwards  
*vattieri* Geoffroy  
*wansoni* Wolfs  
*wigglesworthi* Edwards

Rubinotus Subgroup (Sirivanakarn, 1971a)

*andreas* Edwards  
*kingianus* Edwards  
*malayensis* Sirivanakarn  
*pseudoandreas* Bailly-Choumara  
*rubinotus* Theobald  
*simplicicornis* Edwards

**Subgenus *Kitzmilleria* Danilov**

*moucheti* Evans

**Subgenus *Lasiosiphon* Kirkpatrick**

*adairi* Kirkpatrick

**Subgenus *Lophoceraomyia* Theobald**

Fraudatrix Group (Edwards, 1934, in Barraud, 1934)

*cubiculi* Marks  
*gossi* Bohart  
*kusaiensis* Bohart  
*orbostiensis* Dobrotworsky

Fraudatrix Subgroup (Sirivanakarn, 1977a)

Alphus Complex (Sirivanakarn, 1977a)

*alphus* Colless

Bergi Complex (Belkin, 1962)

*bergi* Belkin  
*laffooni* Belkin  
*oweni* Belkin  
*winkleri* Belkin

Buxtoni Complex (Belkin, 1962)

*buxtoni* Edwards  
*lairdi* Belkin

Christiani Complex (Sirivanakarn, 1968)

*christiani* Colless

*gressitti* Sirivanakarn  
*minjensis* Sirivanakarn  
*pseudornatus* Colless  
Cinctellus Complex (Sirivanakarn, 1977a)  
*cinctellus* Edwards  
*fulleri* (Ludlow)  
Cottlei Complex (Sirivanakarn, 1968)  
*cottlei* Sirivanakarn  
Fraudatrix Complex (Sirivanakarn, 1968)  
*atracus* Colless  
*collessi* Sirivanakarn  
*fraudatrix* (Theobald)  
*insequens* Marks  
*insularis* Sirivanakarn  
*kaviengensis* Sirivanakarn  
*rajaneae* Sirivanakarn  
*schilfgaardei* Sirivanakarn  
*submarginalis* Sirivanakarn  
Hilli Complex (Sirivanakarn, 1968)  
*carolinensis* Bohart & Ingram  
*hilli* Edwards  
*lakei* Sirivanakarn  
Hurlbuti Complex (Belkin, 1962)  
*hurlbuti* Belkin  
*perryi* Belkin  
Inculus Complex (Sirivanakarn, 1977a)  
*inculus* Colless  
Marksae Complex (Sirivanakarn, 1968)  
*kowiroensis* Sirivanakarn  
*leei* King & Hoogstraal  
*marksae* King & Hoogstraal  
*muruae* Sirivanakarn  
*versabilis* Sirivanakarn  
*wamanguae* Sirivanakarn  
Ornatus Complex (Sirivanakarn, 1968)  
*gagnei* Evenhuis & Gon  
Petersi Complex (Sirivanakarn, 1968)  
*crowei* Sirivanakarn  
*petersi* Colless  
*shanahani* Sirivanakarn  
*steffani* Sirivanakarn  
Pseudorubithoracis Complex (Sirivanakarn, 1968)  
*castaneus* Sirivanakarn  
*pseudorubithoracis* Sirivanakarn  
*sedlacecae* Sirivanakarn  
Quadripalpis Complex (Sirivanakarn, 1977a)

*aculeatus* Colless  
*aestivus* Sirivanakarn  
*paraculeatus* Sirivanakarn  
*quadripalpis* (Edwards)  
*reidi* Colless  
Rubithoracis Complex (Sirivanakarn, 1977a)  
*gibbulus* Delfinado  
*niger* (Leicester)  
*rubithoracis* (Leicester)  
*sangenluoensis* Wang  
Seniori Complex (Sirivanakarn, 1977a)  
*seniori* Barraud  
Solomonis Complex (Belkin, 1962)  
*becki* Belkin  
*durhami* Sirivanakarn  
*solomonis* Edwards  
*walukasi* Belkin  
Variatus Complex (Sirivanakarn, 1977a)  
*cubitatus* Colless  
*gracicornis* Sirivanakarn  
*josephinae* Baisas  
*macdonaldi* Colless  
*pairoji* Sirivanakarn  
*variatus* (Leicester)  
*whartoni* Colless  
Minutissimus Subgroup (Sirivanakarn, 1977a)  
*alorensis* Sirivanakarn  
*cylindricus* Theobald  
*infantulus* Edwards  
*minutissimus* (Theobald)  
Mammilifer Group (Edwards, 1932a)  
*szemaoensis* Wang & Feng  
Boli Subgroup (Sirivanakarn, 1968)  
*bolii* Sirivanakarn  
Brevipalpus Subgroup (Colless, 1965)  
Brevipalpus Complex (Sirivanakarn, 1977a)  
*acutipalpus* Colless  
*brevipalpus* (Theobald)  
*eminentia* (Leicester)  
*lucaris* Colless  
Curtipalpis Complex (Sirivanakarn, 1977a)  
*curtipalpis* (Edwards)  
    subspecies *curtipalpis* (Edwards)  
    subspecies *sumatranus* Brug  
Hewitti Complex (Sirivanakarn, 1977a)  
*hewitti* (Edwards)

Jenseni Complex (Sirivanakarn, 1977a)  
*jenseni* (de Meijere)

Navalis Complex (Sirivanakarn, 1977a)  
*coerulescens* Edwards  
*navalis* Edwards

Digoelensis Subgroup  
*digoelensis* Brug  
*singuawaensis* Sirivanakarn

Mammilifer Subgroup (Colless, 1965)  
*kuhnsi* King & Hoogstraal

Flavicornis Complex (Sirivanakarn, 1977a)  
*flavicornis* Barraud  
*lasiopalpis* Sirivanakarn  
*raghavanii* Rahman, Chowdhury & Kalra

Singhbhumensis Complex (Natarajan & Rajavel, 2009)  
*singhbhumensis* Natarajan & Rajavel

Mammilifer Line (Sirivanakarn, 1977a)  
Mammilifer Complex (Sirivanakarn, 1977a)  
*demissus* Colless  
*mammilifer* (Leicester)  
*wardi* Sirivanakarn

Impostor Complex (Sirivanakarn, 1977a)  
*impostor* Sirivanakarn

Traubi Complex (Sirivanakarn, 1977a)  
*lavatae* Stone & Bohart  
*traubi* Colless  
*uniformis* (Theobald)

Minor Line (Sirivanakarn, 1977a)  
Ganapathi Complex (Sirivanakarn, 1977a)  
*ganapathi* Colless  
*spiculosus* Bram & Rattanarithikul

Minor Complex (Sirivanakarn, 1977a)  
*bandoengensis* Brug  
*bengalensis* Barraud  
*bicornutus* (Theobald)  
*crassicomus* Colless  
*incomptus* Bram & Rattanarithikul  
*kuhnsi* King & Hoogstraal  
*minor* (Leicester)  
*tuberis* Bohart

Peytoni Complex (Sirivanakarn, 1977a)  
*eukrines* Bram & Rattanarithikul  
*peytoni* Bram & Rattanarithikul

Pholeter Complex (Sirivanakarn, 1977a)  
*pholeter* Bram & Rattanarithikul

Wilfredi Group (Sirivanakarn, 1977a)

*hirtipalpis* Sirivanakarn  
*pilifemoralis* Wang & Feng  
*wilfredi* Colless

### **Subgenus *Maillotia* Theobald**

Hortensis Group (Sirivanakarn, 1971a)

*arbieeni* Salem  
*hortensis* Ficalbi  
    subspecies *hortensis* Ficalbi  
    subspecies *maderensis* Mattingly  
*quettensis* Mattingly

Seyrigi Group (Sirivanakarn, 1971a)

*avianus* de Meillon  
*peringueyi* Edwards  
*salisburyensis* Theobald  
    subspecies *capensis* de Meillon  
    subspecies *coursi* Doucet  
*seyrigi* Edwards  
*subsalisburyensis* Hervé & Geoffroy

Unplaced species

*deserticola* Kirkpatrick

### **Subgenus *Melanoconion* Theobald**

Melanoconion Section (Sirivanakarn, 1983)

*anoplicitus* Forattini & Sallum  
*guedesi* da Silva Mattos & Xavier  
*herrerae* Sutil Oramas, Pulido, F. & Amarista, M.

Atratus Group (Sirivanakarn, 1983)

*atratus* Theobald  
*caribeanus* Galindo & Blanton  
*commevynensis* Bonne-Wepster & Bonne  
*dunni* Dyar  
*ensiformis* Bonne-Wepster & Bonne  
*trigeminatus* Clastrier  
*zeteki* Dyar

Bastagarius Group (Sirivanakarn, 1983)

*diamphidius* Peyton & Harbach

Bastagarius Subgroup (Sirivanakarn, 1983)

*alinkios* Sallum & Hutchings  
*bastagarius* Dyar & Knab  
*brachiatus* Hutchings & Sallum  
*comatus* Senevet & Abonnenc



*coppenamensis* Bonne-Wepster & Bonne  
*creole* Anduze  
*intonsus* Galindo & Blanton  
*phyllados* Hutchings & Sallum  
*turnieri* Senevet & Abonnenc  
Iolambdis Subgroup (Sirivanakarn, 1983)  
*bifoliolatus* Duret & Barreto  
*confundior* Komp & Rozeboom  
*corentynensis* Dyar  
*dolichophyllus* Clastrier  
*dureti* Casal & Garcia  
*iolambdis* Dyar  
*limacifer* Komp  
*quasihybridus* Galindo & Blanton  
Distinguendus Group (Sirivanakarn, 1983)  
Distinguendus Subgroup (Sirivanakarn, 1983)  
*alcocki* Bonne-Wepster & Bonne  
*comminutor* Dyar  
*distinguendus* Dyar  
*maxinocca* Dyar  
*nicceriensis* Bonne-Wepster & Bonne  
*patientiae* Floch & Fauran  
*productus* Senevet & Abonnenc  
Galindoi Subgroup (Sirivanakarn, 1983)  
*galindoi* Komp & Rozeboom  
Putumayensis Subgroup (Sirivanakarn, 1983)  
*bahiensis* Duret  
*phlabistus* Dyar  
*putumayensis* Matheson  
Rorotaensis Subgroup (Sirivanakarn, 1983)  
*rorotaensis* Floch & Abonnenc  
Conspirator Group (Sirivanakarn, 1983)  
*aliciae* Duret  
*conspirator* Dyar & Knab  
*dyius* Root  
*elevator* Dyar & Knab  
*jocasta* Komp & Rozeboom  
*lucifugus* Komp  
*madininensis* Senevet  
*martinezi* Casal & García  
*olimpioi* Xavier, da Silva & da Silva Mattos  
*terebor* Dyar  
Educator Group (Sirivanakarn, 1983)  
*crisovaoi* Duret  
*educator* Dyar & Knab  
*eknomios* Forattini & Sallum

*inadmirabilis* Dyar  
*rachoui* Duret  
*theobaldi* (Lutz)  
*vaxus* Dyar  
Erraticus Group (Sirivanakarn, 1983)  
Clarki Subgroup (Sirivanakarn, 1983)  
*clarki* Evans  
Erraticus Subgroup (Sirivanakarn, 1983)  
*aureonotatus* Duret & Barreto  
*erraticus* (Dyar & Knab)  
*invocator* Pazos  
Psatharus Subgroup (Sirivanakarn, 1983)  
*psatharus* Dyar  
Evansae Group (Sirivanakarn, 1983)  
*batesi* Rozeboom & Komp  
*changuinolae* Galindo & Blanton  
*evansae* Root  
*johnnyi* Duret  
Inhibitor Group (Sirivanakarn, 1983)  
*spathulatus* Forattini & Sallum  
Egcymon Subgroup (Sirivanakarn, 1983)  
*caudatus* Clastrier  
*egcymon* Dyar  
*elephas* Komp  
*isabelae* Duret  
*serratimarge* Root  
Inhibitor Subgroup (Sirivanakarn, 1983)  
*abonnenci* Clastrier  
*albinensis* Bonne-Wepster & Bonne  
*amitis* Komp  
*bejaranoi* Duret  
*carcinophilus* Dyar & Knab  
*contei* Duret  
*ernanii* Duret  
*ernsti* Anduze  
*flabellifer* Komp  
*inhibitor* Dyar & Knab  
*kummi* Komp & Rozeboom  
*mesodenticulatus* Galindo & Mendez  
*oedipus* Root  
*orfilai* Duret  
*pavlovskyi* Casal & García  
*phlogistus* Dyar  
*plectoporpe* Root  
*rabelloi* Forattini & Sallum  
*symbletos* Sallum & Hutchings

*vidali* Floch & Fauran  
*wepsterae* Komp & Rozeboom  
Mulrennani Subgroup (Sirivanakarn, 1983)  
*mulrennani* Basham  
Intrincatus Group (Sirivanakarn, 1983)  
Andricus Subgroup (Sirivanakarn, 1983)  
*andricus* Root  
Eastor Subgroup (Sirivanakarn, 1983)  
*eastor* Dyar  
Idottus Subgroup (Sirivanakarn, 1983)  
*fairchildi* Galindo & Blanton  
*ferreri* Duret  
*idottus* Dyar  
*ronderosi* de Linero  
*sardinerae* Fox  
Intrincatus Subgroup (Sirivanakarn, 1983)  
*bequaerti* Dyar & Shannon  
*equinoxialis* Floch & Abonnenc  
*glyptosalpinx* Harbach, Peyton & Harrison  
*intrincatus* Brethés  
*johnsoni* Galindo & Mendez  
*milwardi* Xavier & da Silva Mattos  
*misionensis* Duret  
*mutator* Dyar & Knab  
*pifanoi* Anduze  
*quadrifolius* Komp  
*rabanicola* Floch & Abonnenc  
*silvai* Duret  
*sursumptor* Dyar  
*trilobulatus* Duret & Barreto  
*trisetosus* Fauran  
*ybarmis* Dyar  
Penai Subgroup (Sirivanakarn, 1983)  
*penai* Sirivanakarn  
Tecmarsis Subgroup (Sirivanakarn, 1983)  
*tecmarsis* Dyar  
Peccator Group (Sirivanakarn, 1983)  
*abominator* Dyar & Knab  
*anips* Dyar  
*peccator* Dyar & Knab  
Pilosus Group (Sirivanakarn, 1983)  
Caudelli Subgroup (Sirivanakarn, 1983)  
*alogistus* Dyar  
*arboricola* Galindo & Mendez  
*caudelli* (Dyar & Knab)  
*foliafer* Komp & Rozeboom

*galvaei* Duret  
*garcesi* Duret  
*lacertosus* Komp & Rozeboom  
*palaciosi* Duret  
*vexillifer* Komp  
Pilosus Subgroup (Sirivanakarn, 1983)  
*innovator* Evans  
*pilosus* (Dyar & Knab)  
*rooti* Rozeboom  
*unicornis* Root  
Saramaccensis Group (Sirivanakarn, 1983)  
*saramaccensis* Bonne-Wepster & Bonne  
Trifidus Group (Sirivanakarn, 1983)  
*trifidus* Dyar  
Spissipes Section (Sirivanakarn, 1983)  
Crybda Group (Sallum & Forattini, 1996)  
Paracrybda Subgroup (Sirivanakarn, 1983)  
*delpontei* Duret  
*paracrybda* Komp  
Pedroi Subgroup (Sirivanakarn, 1983)  
*adamesi* Sirivanakarn & Galindo  
*crybda* Dyar  
*epanastasis* Dyar  
*pedroi* Sirivanakarn & Belkin  
*ribeirensis* Forattini & Sallum  
Pereyrai Subgroup (Sirivanakarn, 1983)  
*pereyrai* Duret  
Faurani Group (Sirivanakarn, 1983)  
*faurani* Duret  
Jubifer Group (Sirivanakarn, 1983)  
*jubifer* Komp & Brown  
*simulator* Dyar & Knab  
Lopesi Group (Sirivanakarn, 1983)  
*lopesi* Sirivanakarn & Jakob  
Ocoosa Group (Sirivanakarn, 1983)  
*ocossa* Dyar & Knab  
*panocossa* Dyar  
Spissipes Group (Sirivanakarn, 1983)  
*spissipes* (Theobald)  
Taeniopus Group (Sallum & Forattini, 1996)  
*akritos* Forattini & Sallum  
*cedecei* Stone & Hair  
*ikelos* Forattini & Sallum  
*taeniopus* Dyar & Knab  
Vomerifer Group (Sallum & Forattini, 1996)  
*gnomatos* Sallum, Hutchings, Leila & Ferreira

*portesi* Senevet & Abonnenc  
*sacchettae* Sirivanakarn & Jakob  
*vomerifer* Komp

### **Subgenus *Micraedes* Coquillett**

Bisulcatus Group (Berlin, 1969c)  
*antillumagnorum* Dyar  
*arawak* Berlin  
*biscaynensis* Zavortink & O'Meara  
*bisulcatus* (Coquillett)  
Schicki Group (Berlin, 1969c)  
*jalisco* Berlin  
*schicki* Berlin  
*sandrae* Berlin  
Erethyzonfer Group (Berlin, 1969c)  
*erethyzonfer* Galindo & Blanton

### **Subgenus *Microculex* Theobald**

Consolator Series (Lane & Whitman, 1951)  
*consolator* Dyar & Knab  
*hedys* Root  
*reducens* Lane & Whitman  
*worontzowi* Pessoa & Galvão  
Imitator Series (Lane & Whitman, 1951)  
*carioca* Lane & Whitman  
*dubitans* Lane & Whitman  
*imitator* Theobald  
    subspecies *retrosus* Lane & Whitman  
Inimitabilis Series (Lane & Whitman, 1951)  
*aphylactus* Root  
*inimitabilis* Dyar & Knab  
    subspecies *fuscatus* Lane & Whitman  
*microphyllus* Root  
*neglectus* Lutz  
Pleuristriatus Series (Lane & Whitman, 1951)  
*albipes* Lutz  
*aureus* Lane & Whitman  
*azymus* Dyar & Knab  
*davisi* Kumm  
*gairus* Root  
*intermedius* Lane & Whitman  
*lanei* de Oliveira Coutinho & Forattini

*pleuristriatus* Theobald

*xenophobus* Ronderos

Unplaced species

*chryselatus* Dyar & Knab

*daumastocampa* Dyar & Knab

*elongatus* Rozeboom & Komp

*gaudeator* Dyar & Knab

*jenningsi* Dyar & Knab

*kukenan* Anduze

*pulidoi* Cova García & Sutil Oramas

*reginae* Floch & Fauran

*rejector* Dyar & Knab

*shopei* Forattini & Toda

*siphanulatus* Lourenço-de-Oliveira & da Silva

*stonei* Lane & Whitman

*sutili* Cova García & Pulido F.

**Subgenus *Neoculex* Dyar**

Crassistylus Group (Sirivanakarn, 1971a)

*crassistylus* Brug

*leonardi* Belkin

*pedicellus* King & Hoogstraal

Pseudomelanoconia Group (Sirivanakarn, 1971a)

*chaetovenralis* (Theobald)

*cheesmanae* Mattingly & Marks

*douglasi* Dobrotworsky

*dumbletoni* Belkin

*fergusoni* (Taylor)

*gaufini* Belkin

*latus* Dobrotworsky

*millironi* Belkin

*postspiraculosus* Lee

*pseudomelanoconia* Theobald

Territans Group (Sirivanakarn, 1971a)

*apicalis* Adams

*arizonensis* Bohart

*boharti* Brookman & Reeves

*derivator* Dyar & Knab

*europaeus* da Cunha Ramos, Ribeiro & Harrison

*impudicus* Ficalbi

*judaicus* Edwards

*martinii* Medschid

*reevesi* Wirth

*rubensis* Sasa & Takahashi

*territans* Walker

Unplaced species

*gamma* Séguy

*johni* Cova García, Pulido F. & Escalante de Ugueto

### **Subgenus *Nicaromyia* González Broche & Rodríguez R.**

*nicaroensis* Duret

### **Subgenus *Oculeomyia* Theobald**

*albinervis* Edwards

*annulioris* Theobald

subspecies *consimilis* Newstead

*aurantapex* Edwards

subspecies *jinjaensis* Edwards

subspecies *ellinorae* Ovazza, Hamon & Neri

*giganteus* Ventrillon

*poicilipes* (Theobald)

*samoensis* (Theobald)

*squamosus* (Taylor)

*starckae* Stone & Knight

Bitaeiorhynchus Complex (Sirivanakarn, 1976)

*bitaeiorhynchus* Giles

*infula* Theobald

*longicornis* Sirivanakarn

*luzonensis* Sirivanakarn

*pseudosinensis* Colless

*selangorensis* Sirivanakarn

Geminus Complex (Sirivanakarn, 1976)

*geminus* Colless

*kinabaluensis* Sirivanakarn

Sinensis Complex (Sirivanakarn, 1976)

*cornutus* Edwards

*epidesmus* (Theobald)

*sinensis* Theobald

### **Subgenus *Phenacomyia* Harbach & Peyton**

*airozai* Lane

*corniger* Theobald

*lactator* Dyar & Knab

**Subgenus *Phytotelmatomyia* Rossi & Harbach**

*castroi* Casal & Garcia  
*hepperi* Casal & García  
*machadoi* Mattos, Guedes & Xanier  
*renatoi* Lane & Ramalho

**Subgenus *Sirivanakarnius* Tanaka**

*boninensis* Bohart

**Subgenus *Tinolestes* Coquillett**

*breviculus* Senevet & Abonnenc  
*cauchensis* Floch & Abonnenc  
*latisquama* (Coquillett)

**Subgenus uncertain**

*cairnsensis* (Taylor)  
*flochi* Duret  
*inornata* (Theobald)  
*nigrimacula* Lane & Whitman  
*ocellatus* Theobald  
*punctiscapularis* Floch & Abonnenc  
*romeroi* Surcouf & Gonzalez-Rincones

***Nomina dubia***

*aikenii* Aiken & Rowland  
*americanus* Neveu-Lemaire  
*barkerii* (Theobald)  
*bernardi* (Borel)  
*chrysothorax* Peryassú  
*chrysothorax* Newstead & Thomas  
*decorator* Dyar & Knab  
*epirus* Aiken  
*fasciolatus* Lutz  
*gravitator* Dyar & Knab  
*harpagophallus* Wang & Feng  
*humilis* Theobald



*indecorabilis* Theobald  
*lugens* Lutz  
*maculatus* (von Humboldt)  
*microtaeniata* Theobald  
*mindanaoensis* Baisas  
*molestus* Kollar  
*nigrescens* Theobald  
*nigricorpus* Theobald  
*novaeguineae* Evenhuis & Gon  
*oblita* Lynch Arribálzaga  
*pallipes* Robineau-Desvoidy  
*suborientalis* Baisas  
*ventralis* Walker  
*virgultus* Theobald  
*vulgaris* Linnaeus

## References

- Adames, A.J. & Galindo, P. 1973. Mosquito studies (Diptera, Culicidae) XXX. A new subgenus and species of *Culex* from Colombia. *Contributions of the American Entomological Institute* 9(3): 55–61.
- Barraud, P.J. 1934. *The fauna of British India, including Ceylon and Burma. Diptera*. Volume V. *Family Culicidae. Tribes Megarhinini and Culicini*. Taylor and Francis, London.
- Belkin, J.N. 1962. *The mosquitoes of the South Pacific (Diptera, Culicidae)*. Volumes 1 and 2. University of California Press, Berkeley and Los Angeles.
- Belkin, J.N., Heinemann, S.J. & Page, W.A. 1970. The Culicidae of Jamaica (Mosquito studies. XXI). *Contributions of the American Entomological Institute* 6(1): 1–458.
- Belkin, J.N. 1968b. Mosquito studies (Diptera, Culicidae). IX. The type specimens of New World mosquitoes in European museums. *Contributions of the American Entomological Institute* 3(4): 1–69.
- Belkin, J.N. 1970b. *Culex (Melanoconion) aikenii* (A. & R., 1906) a *nomen dubium*; *ocossa* D. & K., 1919 and *panocossa* Dyar, 1923 both valid. *Mosquito Systematics Newsletter* 2: 59–60.
- Berlin, O.G.W. 1969c. Mosquito studies (Diptera, Culicidae) XVIII. The subgenus *Micraedes* of *Culex*. *Contributions of the American Entomological Institute* 5(1): 21–63.
- Berlin, O.G.W. & Belkin, J.N. 1980. Mosquito studies (Diptera, Culicidae) XXXVI. Subgenera *Aedinus*, *Tinolestes* and *Anoedioparpa* of *Culex*. *Contributions of the American Entomological Institute* 17(2): ii + 1–104.

- Bourroul, C. 1904. *Mosquitos deo Brasil*. Bahia. [Continuous pagination used. See Belkin, 1968b: 50, 62 for details].
- Bram, R.A. 1967a. Contributions to the mosquito fauna of Southeast Asia. II. The genus *Culex* in Thailand (Diptera: Culicidae). *Contributions of the American Entomological Institute* 2(1): 1–296.
- Bram, R.A. 1967b. Classification of *Culex* subgenus *Culex* in the New World (Diptera: Culicidae). *Proceedings of the United States National Museum* 120(3557): 1–122.
- Bram, R.A. 1969. Relationships of adult and larval anatomy in the supraspecific classification of the genus *Culex* in Southeast Asia (Diptera: Culicidae). *Mosquito Systematics Newsletter* 1: 9–12.
- Brunetti, E. 1914. Critical review of "general" in Culicidae. *Record of the Indian Museum* 10: 15–73.
- Casal, O.H. & Garcia, M. 1968a. *Culex* (*Allimanta*), nuevo subgenero para *Culex* (*Culex*) *tramazayguesi* Duret, 1954 (Diptera, Culicidae). *Physis* 27: 329–335.
- Colless, D.H. 1965. The genus *Culex*, subgenus *Lophoceraomyia* in Malaya (Diptera: Culicidae). *Journal of Medical Entomology* 2: 216–307.
- Coquillett, D.W. 1906c. A classification of the mosquitoes of North and Middle America. *U. S. Department of Agriculture, Bureau of Entomology, Technical Series* 11: 1–31.
- Danilov, V.N. 1989. Two new Afrotropical subgenera of the mosquito genus *Culex* (Diptera, Culicidae). [In Russian] *Entomologicheskoe Obozrenie* 68: 790–797.
- Duret, J.P. 1969d. Estudio sobre *Culex* (*Melanoconion*) *ocellatus* y sus especies afines (Diptera, Culicidae) [sic]. *Physis, Buenos Aires* 29: 113–129.
- Dyar, H.G. 1905a. Remarks on genitalic genera in the Culicidae. *Proceedings of the Entomological Society of Washington* 7: 42–49.
- Dyar, H.G. 1918b. A revision of the American species of *Culex* on the male genitalia (Diptera, Culicidae). *Insecutor Inscitiae Menstruus* 6: 86–111, 2 pls.
- Dyar, H.G. 1918d. New American mosquitoes (Diptera, Culicidae [sic]). *Insecutor Inscitiae Menstruus* 6: 120–129.
- Dyar, H.G. 1923e. On some of the American subgenera of *Culex* (Diptera, Culicidae). *Insecutor Inscitiae Menstruus* 11: 187–190, 2 pls.
- Dyar, H.G. 1925f. The mosquitoes of Panama (Diptera, Culicidae [sic]). *Insecutor Inscitiae Menstruus* 13: 101–195.

- Dyar, H.G. 1928. *The mosquitoes of the Americas*. Publication no. 387. Carnegie Institution of Washington, Washington, D.C.
- Dyar, H.G. & Knab, F. 1906d. The larvæ [sic] of Culicidæ [sic] classified as independent organisms. *Journal of the New York Entomological Society* 14: 169–230, 13 pls.
- Edwards, F.W. 1911b. The African species of *Culex* and allied genera. *Bulletin of Entomological Research* 2: 241–268.
- Edwards, F.W. 1912c. A synopsis of the species of African Culicidae, other than *Anopheles*. *Bulletin of Entomological Research* 3: 1–53.
- Edwards, F.W. 1913c. New synonymy in Oriental Culicidae. *Bulletin of Entomological Research* 4: 221–242.
- Edwards, F.W. 1914b. New species of Culicidae in the British Museum, with notes on the genitalia of some African *Culex*. *Bulletin of Entomological Research* 5: 63–81.
- Edwards, F.W. 1917. Notes on Culicidae, with descriptions of new species. *Bulletin of Entomological Research* 7: 201–229.
- Edwards, F.W. 1921d. A revision of the mosquitos [sic] of the Palaearctic Region. *Bulletin of Entomological Research* 12: 263–351.
- Edwards, F.W. 1922a. A synopsis of adult Oriental culicine (including megarhinine and sabethine) mosquitoes. Part I. *Indian Journal of Medical Research* 10: 249–293, 3 pls.
- Edwards, F.W. 1922d. Mosquito notes.—III. *Bulletin of Entomological Research* 13: 75–102.
- Edwards, F.W. 1930a. Mosquito notes.—IX. *Bulletin of Entomological Research* 21: 287–306.
- Edwards, F.W. 1932a. *Genera Insectorum. Diptera, Fam. Culicidae*. Fascicle 194. Desmet-Verteneuil, Brussels.
- Edwards, F.W. 1941. *Mosquitoes of the Ethiopian Region III. – Culicine adults and pupae*. British Museum (Natural History), London.
- Foote, R.H. 1954. The larvae and pupae of the mosquitoes belonging to the *Culex* subgenera *Melanoconion* and *Mochlostyrax*. *Technical Bulletin (U. S. Department of Agriculture)* 1091: 1–126.
- Forattini, O.P. 1965a. *Entomologia médica*. 2.<sup>o</sup> Volume. Culicini: *Culex*, *Aedes* e *Psorophora*. Universidade de São Paulo, São Paulo.

- Galindo, P. 1969. Notes on the systematics of *Culex (Melanoconion) Taeniopus* [sic] Dyar and Knab and related species, gathered during arbovirus investigations in Panama. *Mosquito Systematics Newsletter* 1: 82–89.
- González Broche, R. & Rodríguez Rodríguez, R. 2001. Nuevo subgénero de *Culex*, descripción de la pupa y de la larva y redescrpción de la hembra de *Culex nicaroensis* Duret, (Díptera: Culicidae). *Avicennia* 14: 65–74.
- Harbach, R.E. 1988. The mosquitoes of the subgenus *Culex* in southwestern Asia and Egypt (Diptera: Culicidae). *Contributions of the American Entomological Institute* 24(1): vi + 1–240.
- Harbach, R.E. & Peyton, E.L. 1992b. A new subgenus of *Culex* in the Neotropical Region (Diptera: Culicidae). *Mosquito Systematics* 24: 242–252.
- Harrison, B.A. 1987. *Culex* subgenus *Thaiomyia* Bram, a synonym of *Culex* subgenus *Culiciomyia* Theobald (Diptera: Culicidae). *Mosquito Systematics* 19: 111–116.
- Heinemann, S.J. & Belkin, J.N. 1977a. Collection records of the project “Mosquitoes of Middle America” 7. Costa Rica (CR). *Mosquito Systematics* 9: 237–287.
- Howard, L.O., Dyar, H.G. & Knab, F. 1915. The mosquitoes of North and Central America and the West Indies. Volume three. Systematic description (in two parts). Part I.. Publication No. 159. Carnegie Institution of Washington, Washington, D.C.
- King, W.V. & Hoogstraal, H. 1947b. Two new species of *Culex (Neoculex)* from New Guinea (Diptera, Culicidae). *Proceedings of the Entomological Society of Washington* 49: 65–69.
- Kirkpatrick, T.W. 1925a. Preliminary notes on the determination of Egyptian mosquitos [sic], with descriptions of three species new to science. *Bulletin Société Entomologique d'Égypte* (1924) 8: 362–391.
- Knight, K.L. & Stone, A. 1977. *A catalog of the mosquitoes of the world (Diptera: Culicidae)*. Second edition. The Thomas Say Foundation. Volume VI. Entomological Society of America, College Park, Maryland.
- Komp, W.H.W. 1935. Notes on the validity of the types of the species in the subgenera *Mochlostyrax* and *Melanoconion* in the U. S. National Museum.[sic] (Diptera, Culicidae.[sic]). *Proceedings of the Entomological Society of Washington* 37: 1–11.
- Komp, W.H.W. & Curry, D.P. 1932. A new *Culex* from Panama (Dipt., Culicidae). *Psyche* 39: 82–84.
- Lane, J. 1953. *Neotropical Culicidae*. Volumes I and II. University of São Paulo, São Paulo.

- Lane, J. & Whitman, L. 1943. Novas espécies de *Culex* do Brasil (Diptera, Culicidae). *Revta de Entomologia* 14: 389–408.
- Lane, J. & Whitman, L. 1951. The subgenus “*Microculex*” in Brazil (Diptera, Culicidae). *Revista Brasileira de Biologia* 11: 341–366.
- Leicester, G.F. 1908. The Culicidae of Malaya. *Studies from the Institute for Medical Research, Federated Malay States* 3(3): 18–261.
- Lutz, A. 1905. Novas especies de mosquitos do Brasil. *Imprensa Medica* 13: 26–29, 65–69, 81–83, 101–104, 125–128, 169–172, 202–203, 269–271, 287–290, 311–314, 347–350.
- Mattingly, P.F. & Marks, E.N. 1955. Some Australian mosquitoes (Diptera, Culicidae) of the subgenera *Pseudoskusea* and *Neoculex*. *Proceedings of the Linnean Society of New South Wales* 80: 163–176.
- Mattingly, P.F. & Rageau, J. 1958. *Culex (Culex) iyengari* n. sp., a new species of mosquito (Diptera, Culicidae) from the South Pacific. *Pacific Science* 12: 241–250.
- Nataragan, R. & Rajavel, A.R. 2009. Description of a new species of *Culex (Lophoceraomyia)* from Orissa, India. *Journal of the American Mosquito Control Association* 25: 403–408.
- Pecor, J.E., Mallampalli, V.L., Harbach, R.E. & Peyton, E.L. 1992. Catalog and illustrated review of the subgenus *Melanoconion* of *Culex* (Diptera: Culicidae). *Contributions of the American Entomological Institute* 27(2): v + 1–228.
- Rossi, G.C. & Harbach, R.E. 2008. *Phytotelmatomyia*, a new Neotropical subgenus of *Culex* (Diptera: Culicidae). *Zootaxa* 1879: 1–17.
- Rozeboom, L.E. & Komp, W.H.W. 1950a. A review of the species of *Culex* of the subgenus *Melanoconion* (Diptera, Culicidae). *Annals of the Entomological Society of America* 53: 75–114.
- Sallum, M.A.M. & Forattini, O.P. 1996. Revision of the Spissipes Section of *Culex (Melanoconion)* Diptera: Culicidae). *Journal of the American Mosquito Control Association* 12: 517–600.
- Sirivanakarn, S. 1968. The *Culex* subgenus *Lophoceraomyia* in New Guinea and Bismarck Archipelago (Diptera: Culicidae). *Pacific Insects Monograph* 17: 75–186.
- Sirivanakarn, S. 1971a. Contributions to the mosquito fauna of Southeast Asia. XI. Proposed reclassification of *Neoculex* Dyar based principally on the male terminalia. *Contributions of the American Entomological Institute* 7(3): 62–85.

- Sirivanakarn, S. 1972. Contributions to the mosquito fauna of Southeast Asia. XIII. The genus *Culex*, subgenus *Eumelanomyia* Theobald in Southeast Asia and adjacent areas. *Contributions of the American Entomological Institute* 8(6): i + 1–86.
- Sirivanakarn, S. 1976. Medical entomology studies – III. A revision of the subgenus *Culex* in the Oriental Region (Diptera: Culicidae). *Contributions of the American Entomological Institute* 12(2): iii + 1–272.
- Sirivanakarn, S. 1977a. Medical entomology studies – VI. A revision of the subgenus *Lophoceraomyia* of the genus *Culex* in the Oriental Region (Diptera: Culicidae). *Contributions of the American Entomological Institute* 13(4): iii + 1–245.
- Sirivanakarn, S. 1977c. Redescription of four Oriental species of *Culex* (*Culiciomyia*) and the description of a new species from Thailand (Diptera: Culicidae). *Mosquito Systematics* 9: 93–111.
- Sirivanakarn, S. 1983. A review of the systematics and a proposed scheme of internal classification of the New World subgenus *Melanoconion* of *Culex* (Diptera, Culicidae). *Mosquito Systematics* (1982) 14: 265–333.
- Stone, A. & Penn, G.H. 1948. A new subgenus and two new species of the genus *Culex* L. (Diptera, Culicidae). *Proceeding of the Entomological Society of Washington* 50: 109–120.
- Stone, A., Knight, K.L. & Starcke, H. 1959. *A synoptic catalog of the mosquitoes of the world (Diptera, Culicidae)*. The Thomas Say Foundation. Volume VI. Entomological Society of America, College Park, Maryland.
- Strickman, D. 1990. *Culex pseudostigmatosoma*, *Cx. yojoae* and *Cx. aquarium*: new Central American species in the subgenus *Culex* (Diptera: Culicidae). *Mosquito Systematics* (1989) 21: 143–177.
- Tanaka, K. 2004. Studies on the pupal mosquitoes of Japan (11) subgenera *Oculeomyia* (stat. nov.) and *Sirivanakarnius* (nov. of the genus *Culex*, with a key of pupal mosquitoes from Ogasawara-guntô (Diptera: Culicidae). *Medical Entomology and Zoology* 55: 217–231.
- Theobald, F.V. 1903a. *A monograph of the Culicidae or mosquitoes*. Volume 3. British Museum (Natural History), London.
- Theobald, F.V. 1905h. Some new mosquitoes from Ceylon. *Journal of the Bombay Natural History Society* 16: 237–250, 2 pls.
- Theobald, F.V. 1907. *A monograph of the Culicidae or mosquitoes*. Volume 4. British Museum (Natural History), London.
- Theobald, F.V. 1909a. A new culicid genus. *Annals of Tropical Medicine and Parasitology* (1908) 2: 297.

Theobald FV. 1910c. *A monograph of the Culicidae or mosquitoes*. Volume 5. British Museum (Natural History), London.

Valencia, J.D. 1973. Mosquito studies (Diptera, Culicidae) XXXI. A revision of the subgenus *Carrollia* of *Culex*. *Contributions of the American Entomological Institute* 9(4): 1–134.